

1 / 4

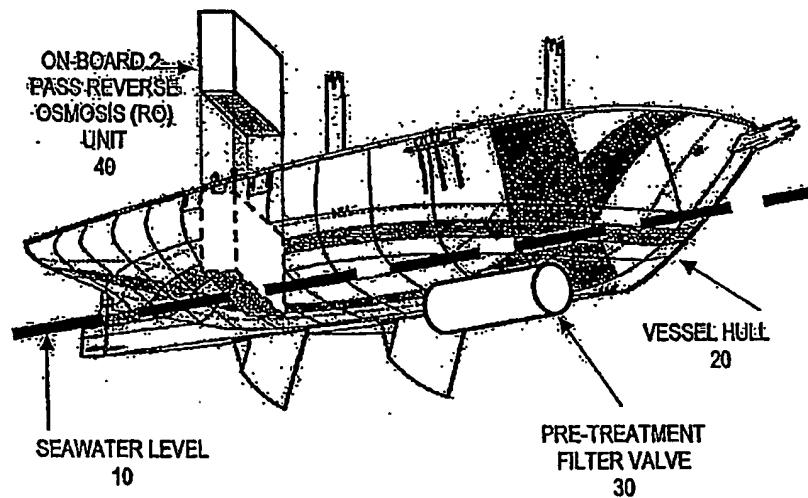


Figure 1 Illustrates a perspective diagram of a sea vessel with a valve fitted onto the surface of its hull.

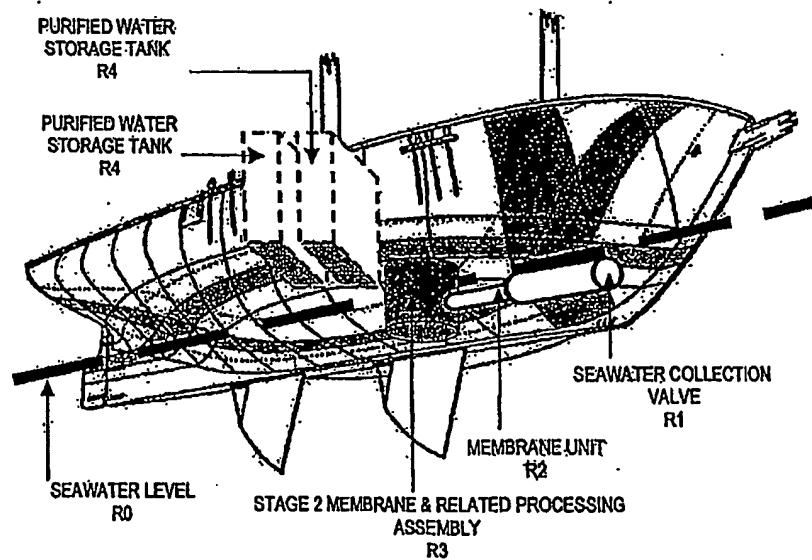


Figure 2 Illustrates a perspective diagram of a sea vessel with a valve combined with additional filters and at least 1 membrane to filter seawater incoming via the said valve to yield seawater with a reduced amount of impurities, such as sodium chloride.

2 / 4

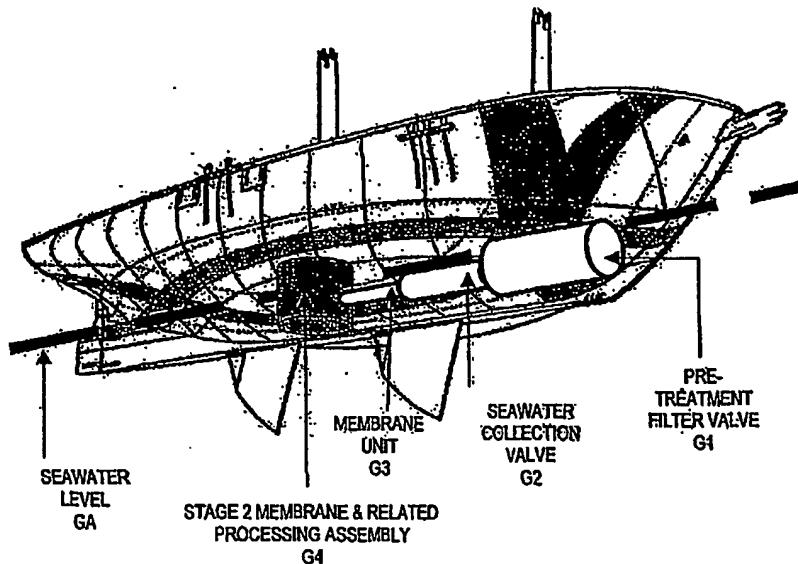


Figure 3 illustrates filtered seawater incoming from the valve fitted onto the hull of the sea vessel, being routed onto a assembly of devices capable of performing reverse osmosis to further purify the filtered seawater

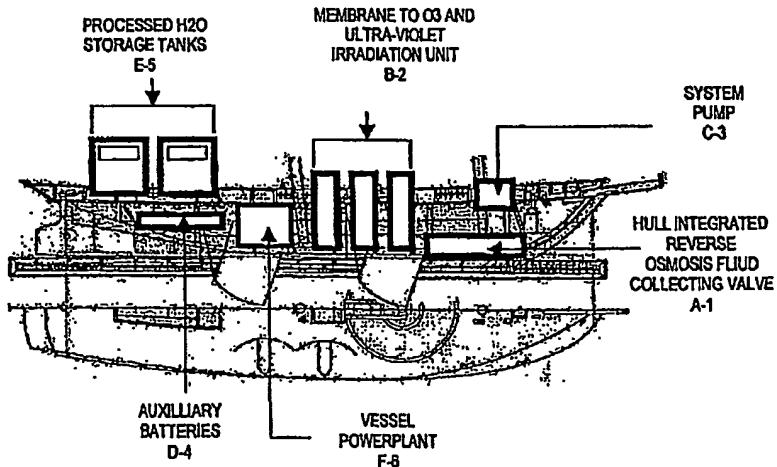


Figure 4 illustrates a side view diagram of the major components and devices that are required for the processing and purification of seawater collected from valves constructed onto the hull surface of a sea vessel

3 / 4

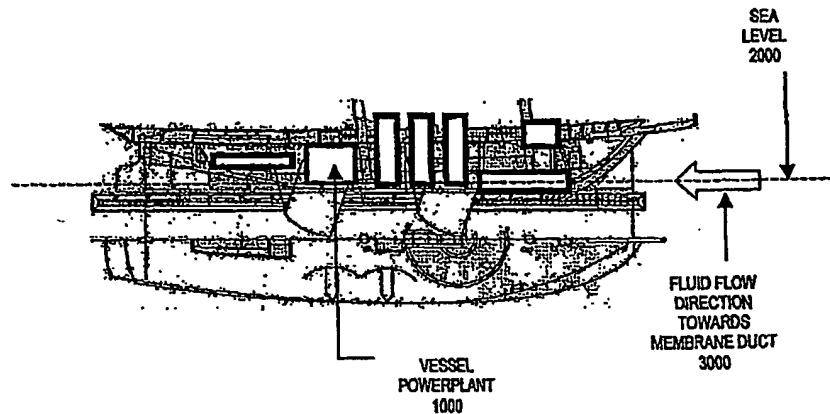


Figure 5 illustrates the forward direction induced from the mechanical work imposed by a suitable powerplant unit installed within the sea vessel, enabling seawater to be fed into the valves constructed to accept the intake of seawater

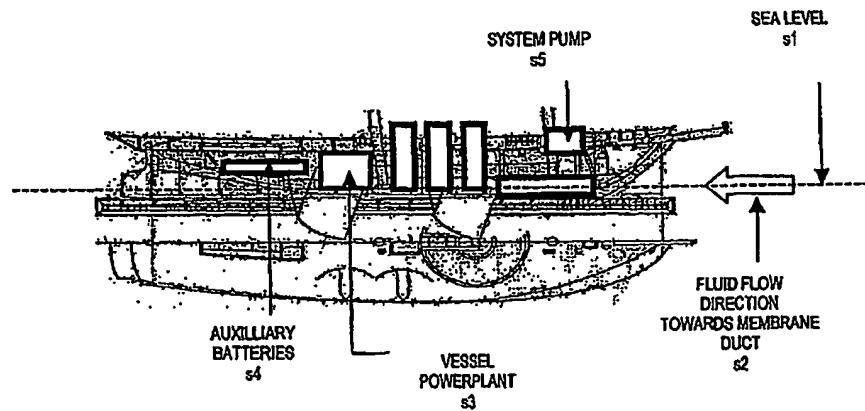


Figure 6 illustrates how a suitable pump can be powered by auxiliary batteries charged by alternators connected to the sea vessel powerplant, enabling the said pump to continue feeding seawater into the pipes connected to the valves fitted onto the surface of the sea vessel hull, in the event whereby the sea vessel is stationary

4 / 4

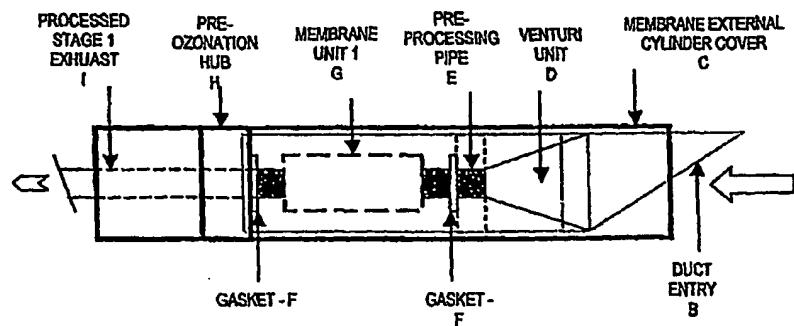


Figure 7 illustrates the construction of a valve assembly incorporated with a suitable reverse osmosis membrane for processing of seawater (stage 1) in a typical reverse osmosis process

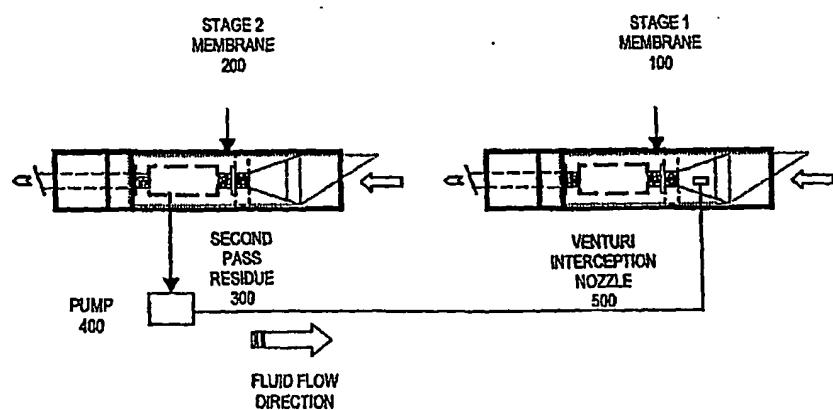


Figure 8 illustrates the construction of a valve assembly capable of routing seawater being treated by at least 1 reverse osmosis membrane, to a second valve and membrane assembly to further pass the said treated water to a second pass of another similar reverse osmosis membrane